7-Ag8',3:714

CONN
S
43
.E22
no 714

COMMERCIAL FEEDING STUFFS

Report for 1968 and 1969

J. GORDON HANNA

FOUNDED 1875

GOVERNMENT PUBLICAT
RECEIVED
AUG 18 1970
WILBUR CROSS LIBRARY
UNIVERSITY OF CONNECTICUT

BULLETIN OF THE CONNECTICUT AGRICULTURAL
EXPERIMENT STATION, NEW HAVEN • NO. 714, JULY 1970

Digitized by the Internet Archive
in 2011 with funding from
LYRASIS members and Sloan Foundation

http://www.archive.org/details/commercialfeedin00hann

COMMERCIAL FEEDING STUFFS

Report for 1968 and 1969

J. Gordon Hanna

This feed report is divided into three tables. The number of samples from each manufacturer analyzed for protein, fat and fiber; the number of deficiencies for each; and the average per cent of claims for each component are listed in the first table. Because the fiber claims are maxima, the values for per cent of claims are less than 100 if the guarantees are met. Similar data for vitamin carriers are listed in the second table and for medicants in medicated feeds in the third table.

The deficiencies noted are based on tolerances of 0.75 per cent for protein and fiber, 0.25 per cent for fat, and 20 per cent guarantee for drugs.

Analytical work was done by Helen Kocaba, Werner Mueller, William Glowa, Sherman Squires, and Raymond West; biological assays by Lester Hankin, Mary Ann Rogers, and George Smith; and microscopic examinations by Lois Hornig. Raymond West also handled the computer operations. Richard Nichols performed the sampling.

COMPLIANCE OF 1968 & 1969 FEED SAMPLES WITH GUARANTEES

Manufacturer	No. of Samples	No. of guarantees				Samples deficient			Average % of claims		
		Protein	Fat	Fiber	Total	Protein	Fat	Fiber	Protein	Fat	Fiber
Agway, Inc.	109	108	106	106	320	4	8	0	108	127	67
Albers Milling Co.	8	8	8	8	24	0	0	0	109	147	73
Allied Mills, Inc.	32	32	32	32	96	3	1	0	105	132	66
The Amburgo Co., Inc.	1	1	1	1	3	0	0	0	114	173	9
Amendt Milling Co.	1	1	1	1	3	0	0	0	125	117	73
American Crystal Sugar Co.	2	2	2	2	6	0	0	0	107	150	79
American Cyanamid Co.	1	1	0	0	1	0	0	0	100	0	0
Barber & Bennett, Inc.	8	8	8	8	24	2	0	0	99	115	65
Bay State Milling Co.	1	1	1	1	3	0	0	0	100	146	83
Beacon Feeds	26	26	26	26	78	1	2	0	108	125	70
Beacon Feed Service	4	4	4	4	12	0	0	0	106	114	61
The Bloomfield Farmers Exch.	4	4	4	4	12	0	0	0	105	112	73
Borden Chemical Co.	2	2	2	2	6	0	0	0	114	116	67
Brooklawn Grain & Feed Co.	2	2	2	2	6	2	0	0	87	120	84
Brown Forman Distillers Co.	2	2	2	2	6	0	1	0	124	83	96
By-Products, Inc.	1	1	1	1	3	0	0	0	106	101	33
Central Conn. Coop Farmers	13	13	13	13	39	1	1	0	108	111	69
Central Soya	11	11	11	11	33	0	1	0	105	164	76
Cherry Taylor Flour Mills	1	1	1	1	3	0	0	0	129	133	81
Clinton Corn Processing Co.	1	1	1	1	3	0	0	0	107	250	76
Consolidated Mills, Inc.	1	1	1	1	3	0	0	0	100	113	100
Corenco Corporation	1	1	1	1	3	0	0	0	100	148	54

Corn Products Co.	1	1	1	1	3	0	0	0	218	135	61
CPS Coca Cola Foods Division	1	1	1	1	3	0	0	0	121	100	75
Dawnwood Farms, Inc.	2	2	2	2	6	0	0	2	114	112	383
Derby Feed Store	4	3	3	3	9	0	0	0	101	113	86
Dow Brewery, Ltd.	2	2	2	2	6	0	0	0	111	112	101
E. I. DuPont & Co., Inc.	1	1	0	1	2	0	0	0	100	0	19
Englishtown Agway, Inc.	1	1	1	1	3	0	0	0	100	139	54
John W. Eshelman & Sons	42	39	39	39	117	0	2	2	105	134	78
Farm Bureau Association	10	10	10	10	30	0	2	0	105	111	75
Farmers Feed Co.	1	1	1	1	3	0	0	0	118	111	62
Florida Citrus Canners Coop	1	1	1	1	3	0	0	0	108	150	78
Flory Milling Co.	1	1	1	1	3	1	0	0	89	100	43
Formica Laboratories	1	1	1	1	3	0	0	1	248	129	166
Fruen Milling Co.	1	1	1	1	3	0	0	0	108	107	79
General Foods Corporation	1	1	1	1	3	0	0	0	122	100	56
The Great Atlantic & Pacific Tea Co. (Mn)	1	1	1	1	3	0	0	0	100	143	51
Greater Valley Feeds	1	1	1	0	2	0	0	0	100	124	0
Great Star Flour Mills, Ltd.	1	1	1	1	3	0	0	0	123	122	76
Green Acre Farms	1	1	1	1	3	0	0	1	119	159	139
Hales & Hunter Co.	16	16	16	16	48	1	1	0	108	124	65
H. P. Hood & Sons, Inc. (Ma)	2	2	2	2	6	0	0	0	108	110	105
E. C. & W. L. Hopkins, Inc.	16	16	14	14	44	0	0	0	106	274	79
Illinois Cereal Mills, Inc.	1	1	1	1	3	0	1	0	117	89	66
Industrial Molasses Corporation	1	1	1	1	3	0	0	0	128	366	83
International Milling Co., Inc.	3	3	3	3	9	0	0	0	119	139	85

Manufacturer	No. of Samples	No. of guarantees				Samples deficient			Average % of claims		
		Protein	Fat	Fiber	Total	Protein	Fat	Fiber	Protein	Fat	Fiber
I. S. Joseph Co., Inc.	1	1	1	1	3	0	0	0	128	133	77
Keystone Dehydrators	1	1	1	1	3	0	0	1	104	144	107
K. & L. Feed Corporation	4	4	4	4	12	1	1	1	96	106	124
Kraft Foods	1	1	1	0	2	0	0	0	120	100	0
Machnickis Grain Store	1	1	1	1	3	0	0	0	105	128	67
Maine Sugar Industries, Inc.	1	1	0	1	2	0	0	0	147	0	63
Maple Leaf Mills, Ltd.	1	1	1	1	3	0	0	0	116	133	63
Maxon Mills, Inc.	3	3	3	3	9	0	1	0	116	94	67
The Mennel Milling Co.	1	1	1	1	3	0	0	0	119	135	64
Monsanto Chemical Co.	1	1	0	0	1	0	0	0	100	0	0
Mowat Wilson & Co.	1	1	1	1	3	0	0	0	139	166	78
National Alfalfa Dehydrating & Milling Co.	1	1	1	1	3	0	0	0	108	179	84
National Biscuit Co.	1	1	1	1	3	0	0	0	119	114	66
National Distillers Products Co.	1	1	1	1	3	0	0	0	123	100	100
Nopco Chemical Co.	1	1	1	1	3	0	0	0	629	100	68
Northern Ohio Sugar Co.	1	1	0	1	2	0	0	0	103	0	70
Ogden Grain Co.	29	27	27	27	81	3	3	0	101	113	72
Ogilvie Flour Mills Co., Ltd.	1	1	1	1	3	0	0	0	109	131	75
Pierce Grain Corporation	3	3	3	3	9	0	0	0	125	153	70
Point Judith Fish Coop	1	1	1	1	3	0	1	0	115	89	89

The Quaker Oats Co. (Pa)	1	1	1	1	3	0	0	0	109	112	87
The Quaker Oats Co. of Canada	1	1	1	1	3	0	0	0	125	111	52
Quebec Sugar Refinery	1	1	1	1	3	0	0	0	128	300	65
Ralston Purina Co.	80	80	80	80	240	3	2	0	108	147	59
Rytman Feed Co.	5	5	5	5	15	0	0	0	107	128	92
The Sherwin Williams Co.	1	1	1	1	3	0	0	0	105	600	71
Sherwood Feed Mills, Inc.	1	1	1	1	3	0	0	0	100	105	79
A. E. Staley Mfg. Co.	1	1	1	1	3	0	0	0	101	200	100
F. W. Stock & Sons	1	1	1	1	3	0	0	0	112	100	69
United Coop Farmers, Inc.	17	16	16	16	48	0	1	0	113	147	68
H. K. Webster, Inc.	34	34	34	34	102	4	3	0	104	133	79
Wilkes Barre Milling Co.	1	1	1	1	3	0	0	0	116	127	43
Wilkins-Rogers Milling Co.	1	1	1	1	3	0	0	0	116	139	64
Williams Milling Co.	1	1	1	1	3	0	0	0	135	133	51
Wolf Savitsky & Sons, Inc.	8	8	8	8	24	0	0	0	111	137	73
York Flour Mills, Inc.	2	2	2	2	6	0	0	0	128	167	64
Totals	556	548	539	540	1627	26	32	8	109	136	71

Guarantees Deficient - 4.0%

VITAMIM CARRIERS

Manufacturer	No. of Samples	No. of Guarantees			
		Vitamin D	Pantothenic acid	Niacin	Riboflavin
Commercial Solvents Corp.[1]	14	7	13	12	13
Hoffmann-Laroche, Inc.[2]	4	4	3	3	3
Nopco Chemical Co.[3]	3	2	1	2	3
Chas. Pfizer and Co.[4]	6	5	3	5	6
Syntha Laboratories[5]	1	1	1	1	1
Ultra-Life Laboratories, Inc.[6]	1	1	1	1	1
Whitmoyer Laboratories, Inc.[7]	2	2	1	1	1
Totals	31	22	23	25	28

[1] Folic Acid: 3 guarantees, 1 deficiency; 81% of claim (ave.)
Vitamin B_{12}: 12 guarantees, 3 deficiencies; 116% of claim (ave.)

[2] Vitamin B_{12}: 3 guarantees, 3 deficiencies; 143% of claim (ave.)

[3] Vitamin B_{12}: 2 guarantees, 1 deficiency; 54% of claim (ave.)

[4] Folic Acid: 1 guarantee, no deficiency; 90% of claim
Vitamin B_{12}: 5 guarantees, 1 deficiency; 119% of claim (ave.)

[5] Vitamin B_{12}: 1 guarantee, 1 deficiency; 121% of claim

[6] Vitamin B_{12}: 1 guarantee, 1 deficiency; 70% of claim

[7] Vitamin B_{12}: 1 guarantee, no deficiency; 83% of claim

VITAMIN CARRIERS

Total no. of guarantees	Samples deficient				Average % of claims		
	Vitamin D	Panto-thenic acid	Niacin	Ribo-flavin	Panto-thenic acid	Niacin	Ribo-flavin
45	0	6	1	3	74	94	103
13	0	0	0	0	93	108	97
8	1	1	1	0	71	90	97
19	0	0	0	0	87	105	99
4	1	0	0	0	106	94	92
4	0	1	0	1	68	98	142
5	0	1	0	0	77	85	107
98	2	9	2	4	80	97	102

Guarantees deficient: 17.3%

MEDICATED FEED MEDICANTS

Manufacturer	No. of Samples	Medicant	No. of guarantees	No. of deficiencies	Average % of claims
Agway, Inc.	25	Arsanilic acid	19	2	94
		3-Nitro-4-Hydroxyphenylarsonic acid	3	0	110
		4-Nitrophenylarsonic acid	3	0	109
Allied Mills, Inc.	3	Arsanilic acid	3	0	94
Beacon Feeds	3	Arsanilic acid	3	0	101
John W. Eshelman & Sons	1	Sulfaquinoxaline	1	1	63
Hales & Hunter Co.	3	Arsanilic acid	3	1	86
Ogden Grain Co.	2	Arsanilic acid	2	0	97

Ralston Purina Co.	8	Arsanilic acid	2	0	99
		3-Nitro-4-Hydroxyphenylarsonic acid	4	0	107
		Sulfaquinoxaline	2	0	86
H. K. Webster Co.	2	4-Nitrophenylarsonic acid	1	0	107
		Sulfaquinoxaline	1	0	82
Totals	47		47	4	

% of guarantees deficient: 8.5

Overall average % of claims: 95

THE CONNECTICUT
AGRICULTURAL EXPERIMENT STATION
NEW HAVEN, CONNECTICUT 06504
James G. Horsfall
Director

PUBLICATION

POSTAGE PAID
United States Department of Agriculture

University of
Connecticut
Libraries

39153029000884